CLAIMS

What is claimed is:

5   1.   A method for laying out a building comprising the steps of:

providing at least two batter points away from a boundary of the building,

wherein the boundary comprises at least one line connecting at least two measurement points of the

building;

calculating distances between the at least two measurement points and the at

10   least two batter points; and

triangulating a location of the at least two measurement points.

2.   The method of claim 1 wherein the providing step comprises providing batter points

comprising at least one batter board.

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3.   The method of claim 1 wherein the providing step comprises locating at least one batter

point outside the boundary of the building.

4.   The method of claim 1 wherein the providing step comprises locating at least one batter

20   point inside the boundary of the building.

5.   The method of claim 1 wherein the calculating step comprises the steps of

receiving building element data; and

determining relative positions of the at least two measurement points, wherein

25   the at least two measurement points are derived from the building element data.

6.   The method of claim 1 wherein the triangulating step comprises the steps of:

providing at least one distance measuring device;

selecting a measurement point; and

marking the location of the measurement point at the calculated distances from

5   the at least two batter points as measured by the at least one distance measuring device.

7.   A method of determining a set of layout measurements comprising the steps of:

receiving building element data;

determining relative positions of at least two measurement points derived from

10   the building element data;

calculating distances between the at least two measurement points and at least

two batter points located away from all of the at least two measurement points; and

providing the calculated distances.

15   8.   The method of claim 7 wherein the determining step comprises the steps of:

providing a first building element comprising at least one measurement point;

placing a second building element comprising at least one measurement point at

a required distance from the first building element at a required relative angle;

placing a third building element adjacent comprising at least one measurement

20   point at a required distance from the second building element at a required relative angle; and

placing any remaining building elements in a likewise manner until a boundary of

the building comprising the measurement points is complete.

9.   The method of claim 8 wherein the placing a second building element step comprises

25   placing a second building element adjacent to the first building element.

10.   The method of claim 7 wherein the providing step comprises providing a list of all measurement points and the calculated distances from each measurement point to each batter point.

11.   The method of claim 10 wherein the providing step further comprises providing

5   distances in units of feet and inches.

12.   The method of claim 10 wherein the providing step further comprises providing distances in units of feet and decimal fractions of a foot.

10   13.   A computer software product, comprising a computer-readable storage medium in which program instructions are stored, which instructions, when read by a computer receiving building element data, cause the computer to assemble the building element data into a boundary of the building, determine relative positions of at least two measurement points derived from the building element data, calculate distances between the at least two measurement points and at least two batter points located

15   away from all of the at least two measurement points, and display and/or output the calculated distances.

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